

W. W. WILCOX.
Bull's-Eye.

No. 162,445.

Patented April 20, 1875.

Fig:1.

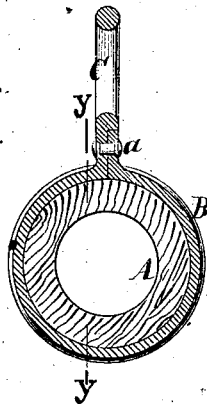
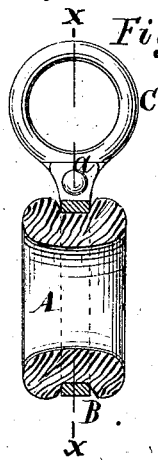


Fig:2.



Witnesses:

Henry Gentner
Ernst Bilhuber.

Inventor:

William W. Wilcox
per
Van Santwood & Hauff.
Attors

UNITED STATES PATENT OFFICE.

WILLIAM W. WILCOX, OF MIDDLETOWN, CONNECTICUT.

IMPROVEMENT IN BULL'S-EYES.

Specification forming part of Letters Patent No. **162,445**, dated April 30, 1875; application filed December 24, 1874.

To all whom it may concern:

Be it known that I, WILLIAM W. WILCOX, of Middletown, in the county of Middlesex and State of Connecticut, have invented a certain new and useful Improvement in Bull's-Eyes for Hoisting-Tackle, of which the following is a specification:

This invention is illustrated in the accompanying drawing, in which—

Figure 1 represents a section in the plane *x x*, Fig. 2. Fig. 2 is a section in the plane *y y*, Fig. 1.

Similar letters indicate corresponding parts.

This invention consists in the combination of a metallic strap with a bull's-eye, said strap being made of a flat strip of metal, one end of which is expanded to form an eye, while the two ends are united by a rivet, and applied to the wooden center having an annular groove, in such a manner that, by the said metallic strap, the bull's-eye is protected against splitting, and at the same time the cost of the article is reduced.

In the drawing, the letter A designates a bull's-eye, which is made of wood, or any other suitable material soft enough to produce the least possible abrasion on the rope passing through it. This bull's-eye is inclosed by a strap, B, which, in the example shown in the drawing, is made of a flat, half-round, round, or oval strip of metal, one end of which is expanded to form the eye C, the two ends be-

ing united by a rivet, *a*, as shown, said strap being fitted in a seat or annular groove formed upon the wooden center, so as to prevent lateral displacement, and, further, to prevent such center from splitting.

In bull's-eyes, as heretofore manufactured, straps of rope are used, and such straps are liable to stretch, and if the bull's-eye is exposed to a heavy strain it is liable to split.

A bull's-eye provided with a metallic strap, according to my invention, is not liable to split, since the metallic strap, if properly applied, will encircle the same with a firm grasp, and the body of the bull's-eye can only be split by a strain hard enough to part the strap. Furthermore, I am enabled to apply my metallic straps to bull's-eyes at less cost than is required to apply the ordinary straps of rope, and consequently I am enabled to furnish an article of superior durability at reduced cost.

What I claim as new, and desire to secure by Letters Patent, is—

The combination, in a bull's-eye, of a wooden body, A, having a central groove or seat, and a surrounding strap, B, constructed with an eye, C, substantially as herein shown and described, for the purpose specified.

WILLIAM W. WILCOX.

Witnesses:

FRANK F. STARR,
H. W. B. STARR.